



July 1997 Time Local/ Path Length Path Number of Estimated Persons Width Damage **ILLINOIS**, South ILZ075>078-080>094 Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin -Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac **Excessive Heat** 1700CST Temperatures rose well into the 90s, and high humidity raised the heat index to between 105 and 110 degrees. Near Carmi, a 32-year-old male construction worker died as a result of the heat. The man's body temperature was 106 degrees. The coroner ruled that the man, who alternated between digging and operating a backhoe, was primarily a victim of the heat and humidity. The heat index at Evansville at the time of death was 105 degrees. M32EQ **Alexander County** 4 S Mc Clure 0100CST 0 0 Thunderstorm Wind (52) A few trees were blown down. **Pulaski County** Villa Ridge 08 1840CST Thunderstorm Wind (52) 1900CST A large tree was blown across railroad tracks near Villa Ridge. A couple of trees were down east of Pulaski. **Pulaski County Funnel Cloud** Perks 08 1910CST 0 0 A funnel cloud was observed at Perks. **Jefferson County** Mt Vernon 14 5K Urban/Sml Stream Fld As many as six cars stalled in a flooded intersection. The water was up to two feet deep, causing some vehicles to float. Optimist Park was flooded, prompting the closure of a road there. Only one flooded basement was reported. An observer measured 2.11 inches of rain in a short time. **Jefferson County** 6 W Mt Vernon to Mt Vernon 1546CST 15K Thunderstorm Wind (52) 14 Numerous trees and power lines were blown down across the county, including Mt. Vernon **Wayne County** 2 NW Fairfield 14 1612CST 0 0 3K Thunderstorm Wind (52) Reported by Illinois ESDA. A few trees were down. Food booths at the county fair were toppled. Scraps of metal from livestock barns were blown around the fairgrounds. **Hamilton County** Thunderstorm Wind (52) **Dahlgren** 1630CST 8K Eight large trees were blown down. Roads were blocked. **Wayne County** Wayne City to Cisne 1630CST 1640CST 0 0 5K Thunderstorm Wind (52) 14 Trees and power lines were blown down. **Jackson County** Murphysboro to De Soto 1636CST 1710CST 0 3K Thunderstorm Wind (50) 14 Tree limbs and power lines were down in Murphysboro, De Soto, and near Elkville. **Jackson County** De Soto 14 1650CST 0 Hail(0.75) **Edwards County** Albion to West Salem 14 1640CST 4K Thunderstorm Wind (50)

1

Trees were blown down.



Number of

Estimated



July 1997

Time Local/ Path Length Path Width Persons Damage **ILLINOIS, South** Williamson County Marion 14 1700CST 0 0 5K Thunderstorm Wind (50) Lots of power lines were down. High winds collapsed part of a wall on a building. **Franklin County** Thunderstorm Wind (50) 3K **Benton** 14 1716CST O 0 Trees were down. **Saline County** Harrisburg 14 1730CST 0 5K Thunderstorm Wind (50) Power lines were down. **Wabash County** Allendale 1745CST 5K Thunderstorm Wind (52) Branches and a couple of trees were blown down. Some fell on power lines. **Union County** Anna 1750CST 4K Thunderstorm Wind (50) A utility pole was down. **Pope County** Golconda 14 1800CST 4K Thunderstorm Wind (50) 0 0 Power lines were down. **Johnson County New Burnside** 14 0 7K Thunderstorm Wind (52) Trees and power lines were blown down. **Pulaski County** Pulaski to Grand Chain 14 0 0 4K Thunderstorm Wind (50) Trees were down at scattered locations. **Massac County** Metropolis 5K Thunderstorm Wind (50) Tree limbs and power lines were down. A gust to 57 MPH was measured. **Alexander County** Cairo 5K Thunderstorm Wind (50) Downed tree limbs blocked some side streets and may have damaged some houses. The wind knocked out power in Cairo for at least 90 minutes. Several restaurant signs were downed. **Alexander County** Cairo 14 1857CST 0 0 Hail(0.75) **Pope County Bay City** 14 Flash Flood Radar and satellite data estimated about 2 inches of rain fell in two hours. The Bay City blacktop road was covered by water **Gallatin County** Omaha 1600CST 5K Thunderstorm Wind (52) Trees and power lines were down in northwest Gallatin County. White County **Norris City** 19 1630CST 4K Thunderstorm Wind (52) Thunderstorm winds broke off a light pole at the high school track field. **Saline County** Galatia 19 1656CST 0 3K Thunderstorm Wind (50) Power lines were downed.





July 1997 Time Local/ Path Length Path Number of Estimated Width Persons Damage **ILLINOIS**, South Williamson County Marion 19 0 0 **Urban/Sml Stream Fld** Considerable flooding of streets occurred. Emergency management and a cooperative observer measured 2 to 2.5 inches of rain in an ILZ075>078-080>094 Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin -Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac 1100CST **Excessive Heat** High temperatures rose well into the 90s, with even a few 100 degree readings. High humidity pushed heat index values to between 105 and 115 degrees. A heat advisory was issued for the potentially hazardous conditions. Area hospitals reported at least a half dozen cases of dehydration or other heat-related illnesses. An increase in the number of disabled vehicles was reported, as well INDIANA, Southwest Pike County Winslow 14 0 70K Thunderstorm Wind (52) Trees were blown down onto a few homes. Power poles and lines were down. A porch was damaged by wind. Gibson County Patoka to Princeton 14 1655CST 0 40K Thunderstorm Wind (52) Numerous trees were down in Princeton, Patoka, and Fort Branch. Tree sizes were mostly 8 to 10 inches in diameter. Damage was reported to the roofs of houses. **Posey County** Blairsville 14 1710CST 3K Thunderstorm Wind (50) A cooperative observer reported trees down. **Warrick County Boonville** 10K Thunderstorm Wind (52) Trees and power lines were blown down throughout the county. Vanderburgh County 1730CST Evansville 14 0 50K Thunderstorm Wind (52) Large trees and power lines were down. About 10,000 Evansville homes were without power due to trees falling on power lines. At least two homes and a van were damaged by falling trees. An elderly woman was briefly trapped in her home after a tree fell on it. **Spencer County** 3K Thunderstorm Wind (50) Rockport Trees and power lines were down at a few locations across the county. INZ081>082-085>088 Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer 1100CST 1900CST 0 25 28 **Excessive Heat**

High temperatures rose into the mid to upper 90s for three consecutive days. High humidity raised the heat index to between 105 and 115 degrees. The potentially hazardous conditions prompted the issuance of a heat advisory.





Thunderstorm Wind (50)

July 1997 Time Local/ Path Length Path Number of Estimated Width Persons Damage **KENTUCKY**, Southwest **Ballard County** Wickliffe 04 0120CST 0 0 Thunderstorm Wind (52) A severe thunderstorm moved east across the Mississippi River from Scott County, Missouri. A few trees were down across southern Ballard County. Trees fell across a road near Wickliffe. **Carlisle County** 0 Bardwell 04 0130CST 0 Thunderstorm Wind (52) A severe thunderstorm tracked across the Mississippi River from southeast Missouri, downing several trees across the county. **Marshall County** 2 S Benton to Hardin 04 0222CST 50K 30K Hail(1.75) **Marshall County** 2 S Benton to Hardin 200K 04 0222CST 0 Thunderstorm Wind (78) A microburst with wind gusts estimated near 90 MPH blew down hundreds of trees. No injuries or deaths were reported, but a dog was found dead after the storm. A farmer lost 60 acres of soybeans to wind-driven hail. The local utility company estimated between ten and twenty utility poles were destroyed. About 5,000 homes lost power in the storm. One house lost a roof. A double wide trailer blew up against another one, and a third trailer was knocked off its foundation **Calloway County** 0225CST Thunderstorm Wind (52) Dexter Trees were blown down between Dexter and Almo. The heaviest damage was north of Dexter in Marshall County **Trigg County** Canton 0245CST Thunderstorm Wind (52) A couple trees were blown across a state highway near Canton. **Christian County** 5K 1 W Hopkinsville 04 Thunderstorm Wind (52) Tree limbs and power lines were down on the west side of Hopkinsville. **Graves County Farmington** 13 0 0 Urban/Sml Stream Fld Thunderstorms produced very heavy rain. Radar estimated up to 3 inches of rain. Water was over roads. **Daviess County** Thunderstorm Wind (52) 1747CST 20K Owensboro 14 Damaging thunderstorm winds knocked down numerous trees and power lines. A large window was blown out of a store in Owensboro. A tree fell through the roof of a garage, damaging a vehicle inside. A major thoroughfare was blocked by a fallen tree. **Henderson County** Thunderstorm Wind (50) Henderson 1806CST 0 0 4K Power lines were down across the county. **Union County** 2 SE Morganfield 1815CST 0 0 2K Thunderstorm Wind (50) A couple of trees were down. **Webster County**

0

5K

1830CST

A tree and some power lines were down.

14

Dixon



Number of

Estimated

Path



July 1997

Time Local/ Path Length Width Persons Damage **KENTUCKY**, Southwest **Ballard County** Blandville 14 1844CST 0 0 4K Thunderstorm Wind (52) Large trees were down, closing Route 286. **Carlisle County Bardwell** 14 1853CST 0 3K Thunderstorm Wind (50) A few power lines were down. **Livingston County Smithland** 1905CST 0 0 2KThunderstorm Wind (50) A couple of trees were down. **Marshall County** 1918CST Thunderstorm Wind (52) **Benton** A gust to 60 MPH was reported by DES personnel. **Calloway County** Murray 14 1920CST 0 0 2K Thunderstorm Wind (50) Scattered trees were down across the county. **Mccracken County** Paducah 1927CST 0 8K Thunderstorm Wind (50) Sporadic reports of downed tree limbs and power lines were received from across the county. A back porch was damaged. **Graves County** Mayfield 14 1930CST 1K Thunderstorm Wind (50) A few large tree limbs were down. **Hickman County** Beulah 1930CST 0 0 3K Thunderstorm Wind (50) Trees were down on Route 307. **Trigg County** 3 N Canton 1930CST 2KThunderstorm Wind (50) Trees were blown down at Barkley Lodge. **Christian County** Hopkinsville 14 1945CST 0 3K Thunderstorm Wind (50) Trees were blown down across the county. **Fulton County Fulton** 14 1948CST 20K Thunderstorm Wind (52) In Fulton, several trees and a number of large tree limbs were blown down. One business in Fulton sustained roof damage, resulting in damaged computers and inventory. **Lyon County** 6 SW Confederate 14 4K Thunderstorm Wind (50) Trees and power lines were down in the southwest part of Lyon County. Webster County 25K Thunderstorm Wind (52) Onton Two chicken houses under construction were knocked to the ground, and two others were damaged. Construction workers were inside at the time, but no one was injured. KYZ001>022 Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg -Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd High temperatures were in the upper 90s to near 100 degrees. At the National Weather Service office in Paducah, the high reached 100 degrees, the warmest reading in a couple of years. High humidity raised the heat index to between 105 and 115 degrees. A heat

advisory was issued due to the potentially hazardous conditions.





Time Path Path Number of Estimated Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

KENTUCKY, South	<u>iwest</u>									
Mccracken County										
Lone Oak	Servi					Funnel Cloud y employees at the Paducah National Weather rd the ground. The funnel was associated with				
Caldwell County										
4 SW Princeton	28 Trees	1545CST were down over power lines.	0	0	5K	Thunderstorm Wind (52)				
Christian County										
Hopkinsville	28 Trees	1640CST and limbs were blown down.	0	0	3K	Thunderstorm Wind (50)				
Todd County										
Fairview	28 Trees	1643CST were down.	0	0	4K	Thunderstorm Wind (50)				
Livingston County										
Ledbetter	28 Large	1645CST e tree limbs were down.	0	0	3K	Thunderstorm Wind (50)				
Marshall County										
Palma to Benton	28	1703CST	0	0	50K	Thunderstorm Wind (52)				
		A gust to 60 MPH was reported near Palma. About 100 feet of roofing was blown off the IGA store near Possum Trot. Telephone poles were down at Benton.								
Trigg County										
Golden Pond	28 Trees	1735CST were down.	0	0	3K	Thunderstorm Wind (50)				
Calloway County										
Almo to	28	1805CST 1815CST	0	0	70K	Thunderstorm Wind (52)				
Murray	severa dama	Trees and power lines were down across the north part of the county. Trees up to 4 feet in diameter were down in Murray, blocking several city streets. High winds caused damage to several businesses along U.S. Highway 641. Three vehicles were heavily damaged by a falling tree on the campus of Murray State University. A few windows were broken and a roof was slightly damaged on the college campus.								
Graves County										
Farmington	28	1855CST	0	0		Hail(0.75)				
Carlisle County										
Bardwell	28 Trees	1930CST and power lines were down at	0 a few locations in the cou	0 nty.	5K	Thunderstorm Wind (52)				
Calloway County										
Murray	28 Tree l	1930CST limbs and power lines were down	ovn at a few locations acro	0 ss the cou	4K inty.	Thunderstorm Wind (50)				
Ballard County										
Wickliffe to Barlow	28	2000CST	0	0	4K	Thunderstorm Wind (52)				
	Trees	and limbs were on roads between	een Wickliffe and Barlow							





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed		Estimated Damage Property Crops	July 1997 Character of Storm
MISSOURI, Southeast								
Carter County Ellsinore	03	2113CST			0	0		Hail(0.75)
Butler County 3 W Hendrickson to	03	2140CST			0	0	500K	Hail(2.50)
Fisk	A sev the co 15 wi for ho	2212CST ere thunderstorm bunty through the ndshields were bu	Poplar Bluff are roken. At least 3 I close to 200 at	a into east of dozen hom uto claims	ess Butler Co central parts les sustained were filed. N	ounty, pro of the cou	ducing hail up to base unty. Dents were up to age to roofs or siding.	eball size from the northwest corner of 3 inches long on vehicles, and at least About 50 insurance claims were filed a north side of Poplar Bluff, and from
Wayne County								
Williamsville to Wappapello	03	2140CST 2201CST			0	0	50K	Hail(1.75)
у аррарсно	A sev		tracked across s	outhern Wa	yne County.	, producii	ng nickel to golf-ball s	ize hail near the Butler County line.
Butler County								
Hendrickson	03 Trees	2140CST were blown dow	n.		0	0		Thunderstorm Wind (52)
Butler County								
10 NE Poplar Bluff		2155CST Butler County Emroducing the funn		ement Age	0 ncy reported	0 a funnel	cloud. A severe thun	Funnel Cloud derstorm producing golf-ball size hail
Stoddard County								
Dudley to Dexter	03	2208CST 2215CST			0	0	50K	Hail(3.50)
								from Dudley to Dexter. A report of Deficient Description of Description
Wayne County Greenville	03	2340CST			0	0		Hail(0.75)
Bollinger County	0.0	22.10051			v	v		Tun(vi, c)
Zalma	04 Tree l	0000CST imbs were blown	down onto pow	er lines.	0	0	5K	Thunderstorm Wind (52)
Stoddard County								
Advance	04 Trees	0020CST were blown dow	n.		0	0		Thunderstorm Wind (52)
Mississippi County								
3 NW Dorena	04 Two l	0055CST arge hickory tree	s were downed a	at Big Oak	0 Γree State Pa	0 nrk.	3K	Thunderstorm Wind (52)
Scott County								
Sikeston	04 Thund	0100CST derstorm winds de	owned power lin	ies.	0	0	5K	Thunderstorm Wind (52)
New Madrid County								
Portageville	04	0200CST	f a tuailan ha	Tuon limeter	0	0	20K	Thunderstorm Wind (55)

The roof was blown off a trailer home. Tree limbs and small trees were down.





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Perse Killed		Estimated Damage Property Crops	July 1997 Character of Storm
MISSOURI, Southeast								_
Wayne County Coldwater	08	1717CST			0	0		Hail(1.00)
Wayne County Clubb	08 A funn	1741CST nel cloud briefly to	0.2 uched down	30 near Clubb, s	0 shearing off	0 the tops o	f large trees in differe	Tornado (F0) ent directions.
Bollinger County Arab	08	1810CST			0	0		Hail(0.75)
Stoddard County Advance	08 Tree lin	1820CST mbs were blown d	own.		0	0		Thunderstorm Wind (52)
Stoddard County Advance	08	1820CST			0	0		Hail(0.75)
Bollinger County 6 W Marble Hill	08	1840CST			0	0		Hail(0.75)
Bollinger County 6 W Marble Hill to 2 W Marble Hill	08	1843CST			0	0	3K	Thunderstorm Wind (52)
	High w	vinds knocked dov	vn large trees	, blocking Ro	oute B and I	Highway 5	1 near Marble Hill.	
Bollinger County Bessville to 2 S Marble Hill	08 Radar	1845CST 1945CST	inches of re	in fell in an	0 hour Nume	0	5K	Flash Flood County Road 400 was impassable in
	spots.	estimated about 2	menes of ra	in ten in un	nour. rvume	10u3 10uu	s were water covered	. County Road 400 was impassable in
Bollinger County 1 S Marble Hill	08	1945CST 2000CST			0	0		Urban/Sml Stream Fld
	County Road 100 was impassable due to flooding. Water was over other roadways.							
Bollinger County Patton	14 Trees a	1635CST and power lines we	ere down.		0	0	5K	Thunderstorm Wind (50)
Perry County Biehle	14	1648CST			0	0	10K	Hail(1.75)
Perry County Biehle	14 63 MP	1648CST H wind gusts were	e reported.		0	0	2K	Thunderstorm Wind (53)
Cape Girardeau County								
Daisy to Millersville	14 Nickel	1700CST 1716CST size hail fell in no	orthwest Cape	e Girardeau C	0 County	0	3K	Hail(0.88)
Cape Girardeau County Oriole	14	1738CST			0	0		Hail(0.88)
Cape Girardeau County								
Cape Girardeau		1738CST han 2,000 customent h winds. Trees were				0 nunderstor	5K m winds swept across	Thunderstorm Wind (50) is the county. A utility pole was toppled
Bollinger County 3 SW Marble Hill	14	1745CST			0	0		Hail(0.75)





July 1997 Time Local Path Length Path Number of Estimated Width Persons Damage MISSOURI, Southeast **Bollinger County** 3 SW Marble Hill 14 1745CST 0 0 5K Thunderstorm Wind (52) Trees and power lines were down. **Wavne County** Greenville 14 1837CST 20K Thunderstorm Wind (52) Limbs were down. Structural damage occurred to an ambulance shed. **Bollinger County** Marble Hill to 3 S Marble Hill 0 1845CST 0 8K Thunderstorm Wind (52) Large tree limbs and power lines were blown down. **Bollinger County** 0 Hail(0.75) Grassy 14 1906CST 0 **Ripley County** Doniphan 1930CST 0 4K Thunderstorm Wind (52) Numerous trees were down across the county. **Scott County** 14 Sikeston 1930CST O 0 3K Thunderstorm Wind (50) Large tree limbs were down. **Stoddard County** 1940CST 0 Thunderstorm Wind (50) Dexter 14 0 2KScattered trees were down across the county. Trees were across two rural roads, and downed power lines were across three roads. **Butler County Poplar Bluff** 14 1942CST 5K Thunderstorm Wind (50) Trees and power lines were down. **New Madrid County New Madrid** 14 1950CST 5K Thunderstorm Wind (50) Trees and power lines were down. **Stoddard County** 2 W Dexter 15 1625CST **Funnel Cloud** Several funnel clouds were observed. Three dozen reports of funnel clouds were received by the sheriff department or emergency management officials. **Scott County** 3 W Sikeston 15 1643CST 0 0 Funnel Cloud Funnel clouds were observed. No severe thunderstorms were in the area. **New Madrid County** Matthews to 15 1737CST **Funnel Cloud** Numerous funnel clouds occurred over western and southern New Madrid County. The funnel clouds were confirmed by police officers, emergency management personnel, and spotters. The funnels went up and down rather frequently. No touchdowns were reported. These funnel clouds were not associated with severe thunderstorms. **New Madrid County** Howardville 16 0.2 30 0 Tornado (F0) A nearly stationary tornado was observed for a few minutes. Several law enforcement personnel confirmed the tornado. The brief tornado, which was not associated with any severe thunderstorms, caused no damage over open farmland. **New Madrid County** Conran 0.2 20 Tornado (F0) Law enforcement officials reported a brief touchdown. The tornado was not associated with a severe thunderstorm. No damage was





July 1997 Time Local/ Path Length Path Number of Estimated Width Persons Damage MISSOURI, Southeast observed. **Perry County** Perryville 19 1725CST 5K Thunderstorm Wind (52) Numerous branches were blown down across roads in Perryville. A spotter estimated winds of 60 MPH. **Perry County** 2K Perryville 21 2127CST 0 0 Thunderstorm Wind (50) Numerous large tree limbs were down on a couple of city streets. MOZ076-086>087-100-Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid 107>112-114 1100CST 1900CST O 26 28 **Excessive Heat** High temperatures were in the upper 90s to around 100 degrees for three consecutive days. High humidity pushed heat index values to between 105 and 115 degrees. An air conditioning unit failed on an office building in Cape Girardeau. Four overheated female employees in the office building were taken to a local hospital as a precaution. Area hospitals treated at least a dozen people for dehydration or other heat-related problems during the heat wave. The highest temperature at Cape Girardeau was 100 degrees during this heat wave. **Carter County** Grandin 1445CST Thunderstorm Wind (50) 3K Trees were blown down. **Ripley County** 5 W Doniphan 28 1510CST 0 4K Thunderstorm Wind (52) Trees were down. **Ripley County** Doniphan 28 1528CST 5K Hail(1.75) Golf ball hail was reported at the intersection of Highway 21N and K. **Butler County** 5 W Poplar Bluff 28 1600CST 0 4K Thunderstorm Wind (52) Numerous trees were down in western Butler County. Mississippi County 1 N East Prairie to East Prairie 28 1615CST 50K Thunderstorm Wind (60) A microburst caused a small but intense damage path just north of East Prairie. Shingles were blown from roofs, a trailer was blown off its foundations, large trees were uprooted, and one camper was demolished. Some utility poles were blown over. In the city of East Prairie, the only damage was due to falling trees and limbs. Mississippi County **East Prairie** 28 1705CST 3K Thunderstorm Wind (50) A few trees were blown down. **Bollinger County** Marble Hill 28 1810CST 3K Thunderstorm Wind (50) Power lines were down. **Cape Girardeau County** Fruitland to 28 1828CST 40K Thunderstorm Wind (54) Structural damage occurred to mobile homes near Fruitland. Trees were down in the central part of the county. **Stoddard County** 0 250K Puxico 29 Flash Flood

Thunderstorms dumped an estimated 3 to 4 inches of rain. About 15 businesses were flooded by up to a foot of water. The sheriff





Time Path Path Number of Estimated Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

MISSOURI, Southeast

department rescued a U.S. Postal Service worker who was trapped by high water. Several inches of water got into the town's bank and IGA supermarket. The flash flooding also washed out a bridge on a county road.